

FIG. 1 is a block diagram of a mobile communication system 10 according to an embodiment of the present invention. The system 10 includes a mobile station 14, an access network 12, and a core network 18. The access network 12 includes an IS-856 radio network 22 and an IS-2000 radio network 28. The core network 18 includes a packet data network (Internet) 16 and a PSTN 20. The mobile station 14 is connected to the access network 12 via an antenna 10. The access network 12 is connected to the core network 18 via access network interfaces (IS-634/IS-2001) 26. The IS-856 radio network 22 is connected to the packet data network (Internet) 16 via a PDSN 24. The IS-2000 radio network 28 is connected to the PSTN 20 via an MSC 30.

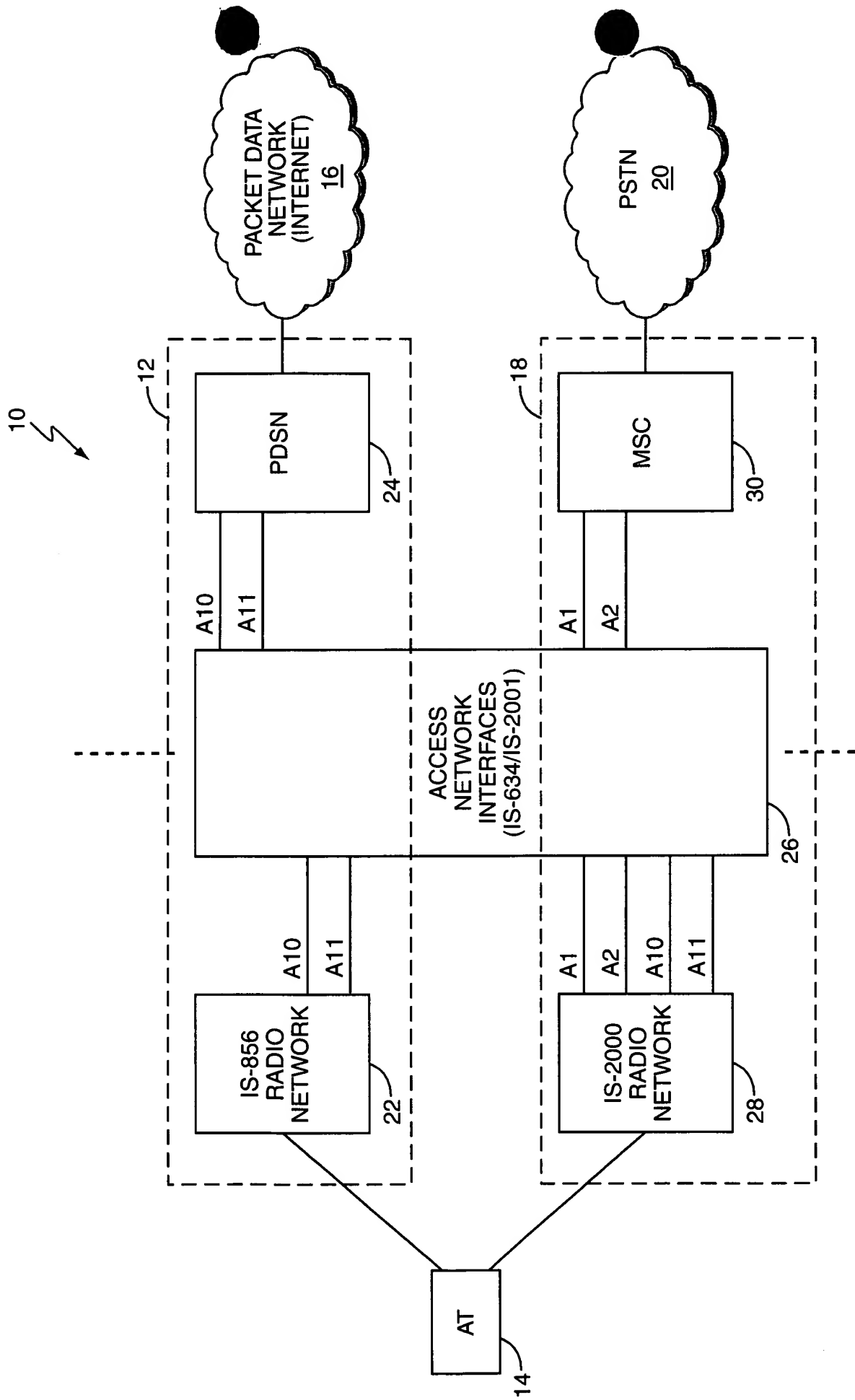
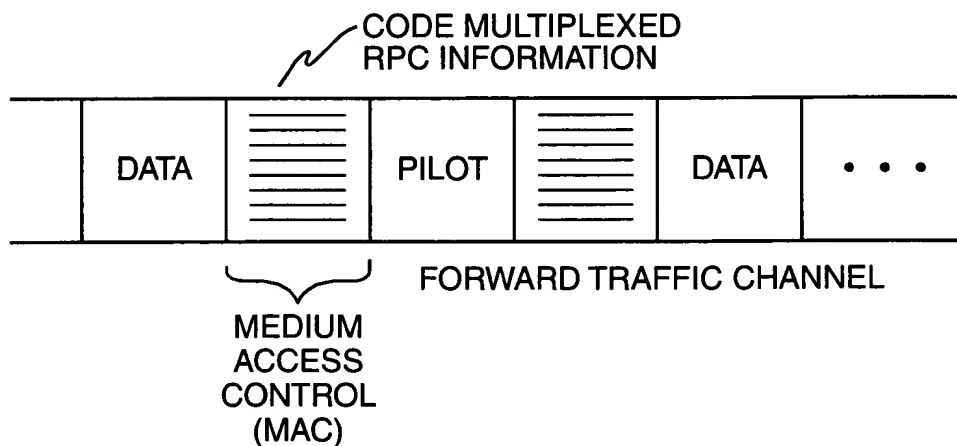
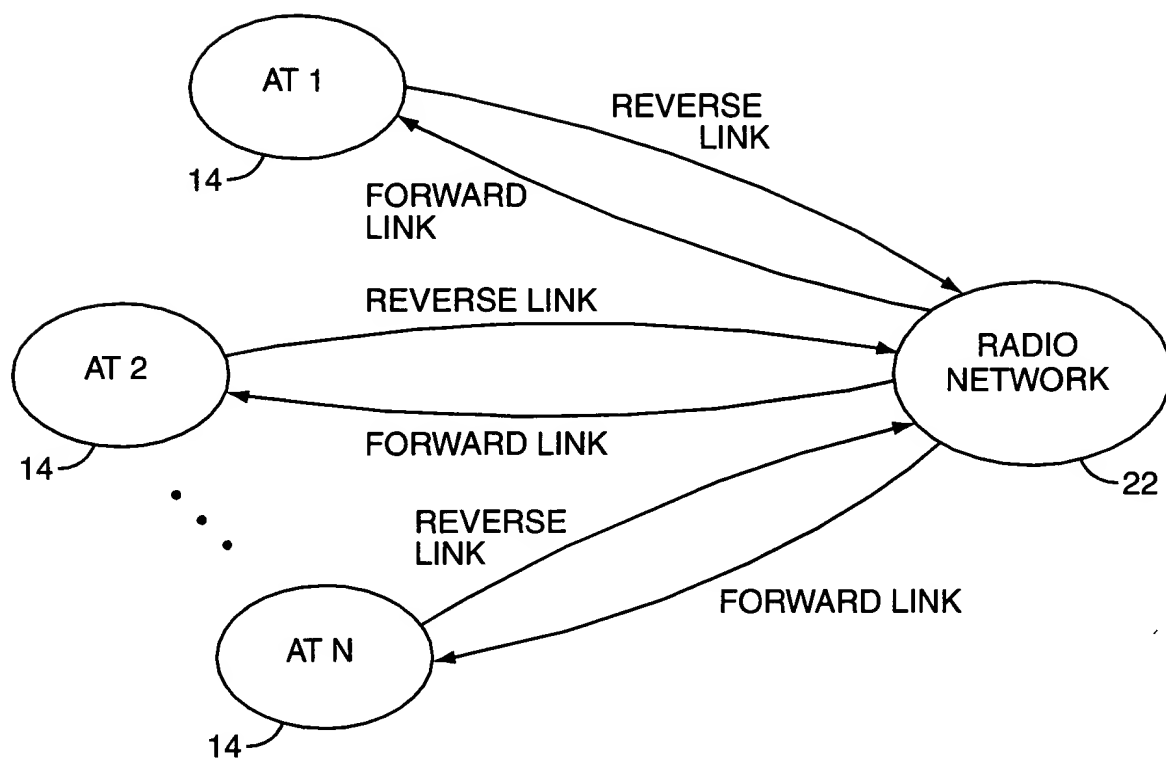


FIG. 1



**FIG. 2**

FIG. 3 is a graph showing the relationship between the AT TX PWR and the BS NOISE FLOOR. The graph illustrates the power levels and the resulting communication failure point.

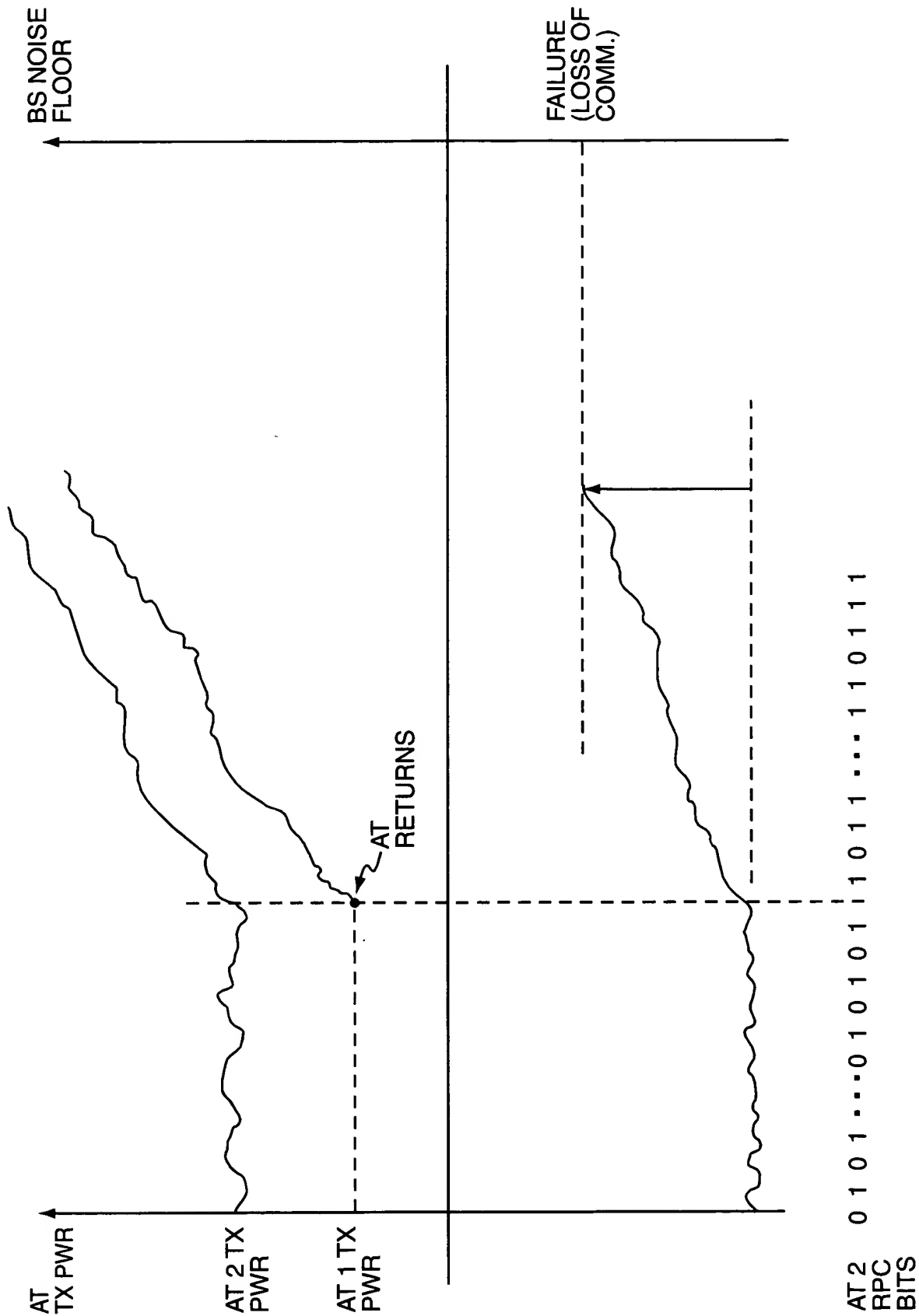


FIG. 3

FIG. 4 is a sequence diagram illustrating the connection setup and maintenance between an Access Terminal (AT) and an Access Network (AN) for a Reverse Traffic Channel (RTC).

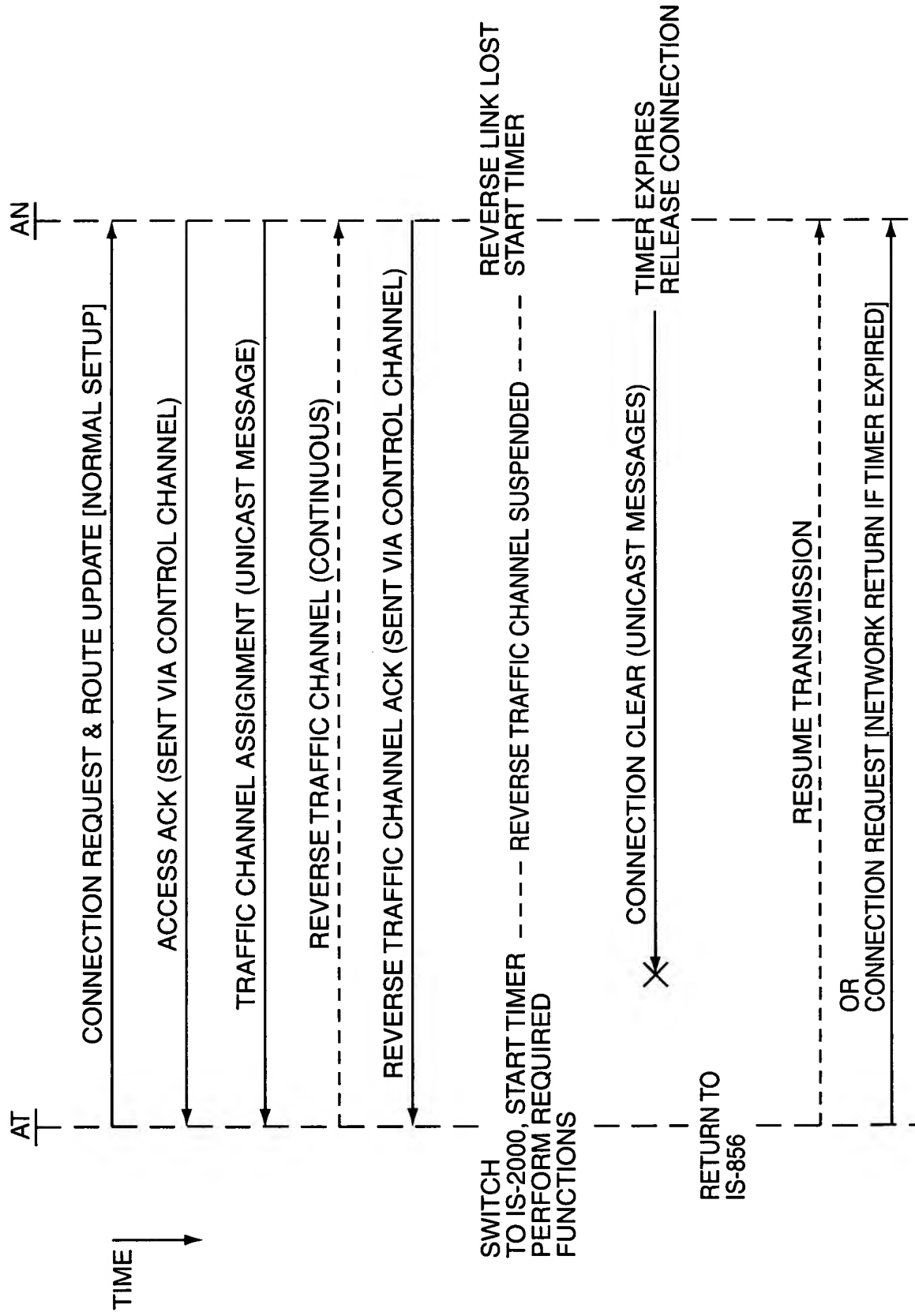
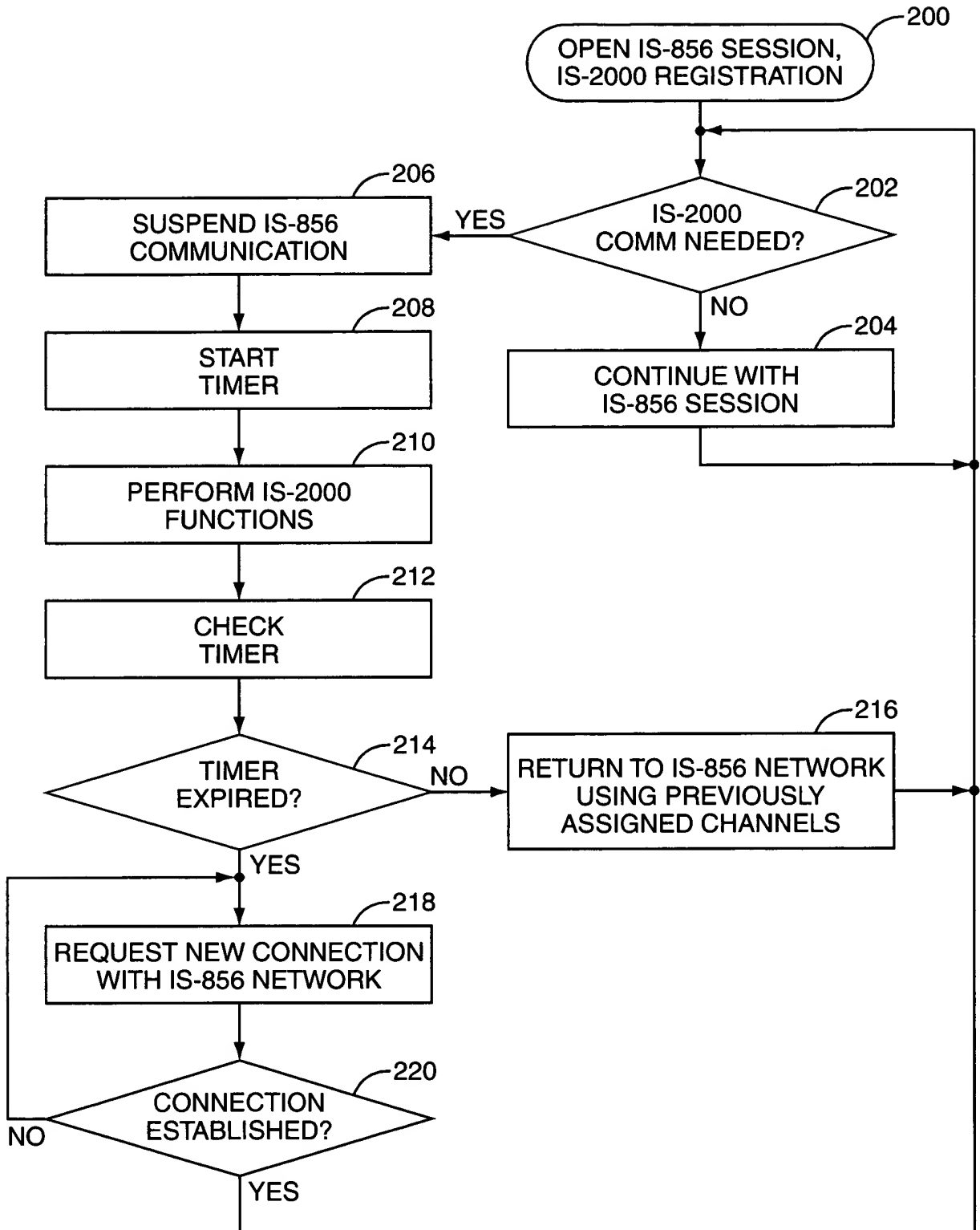
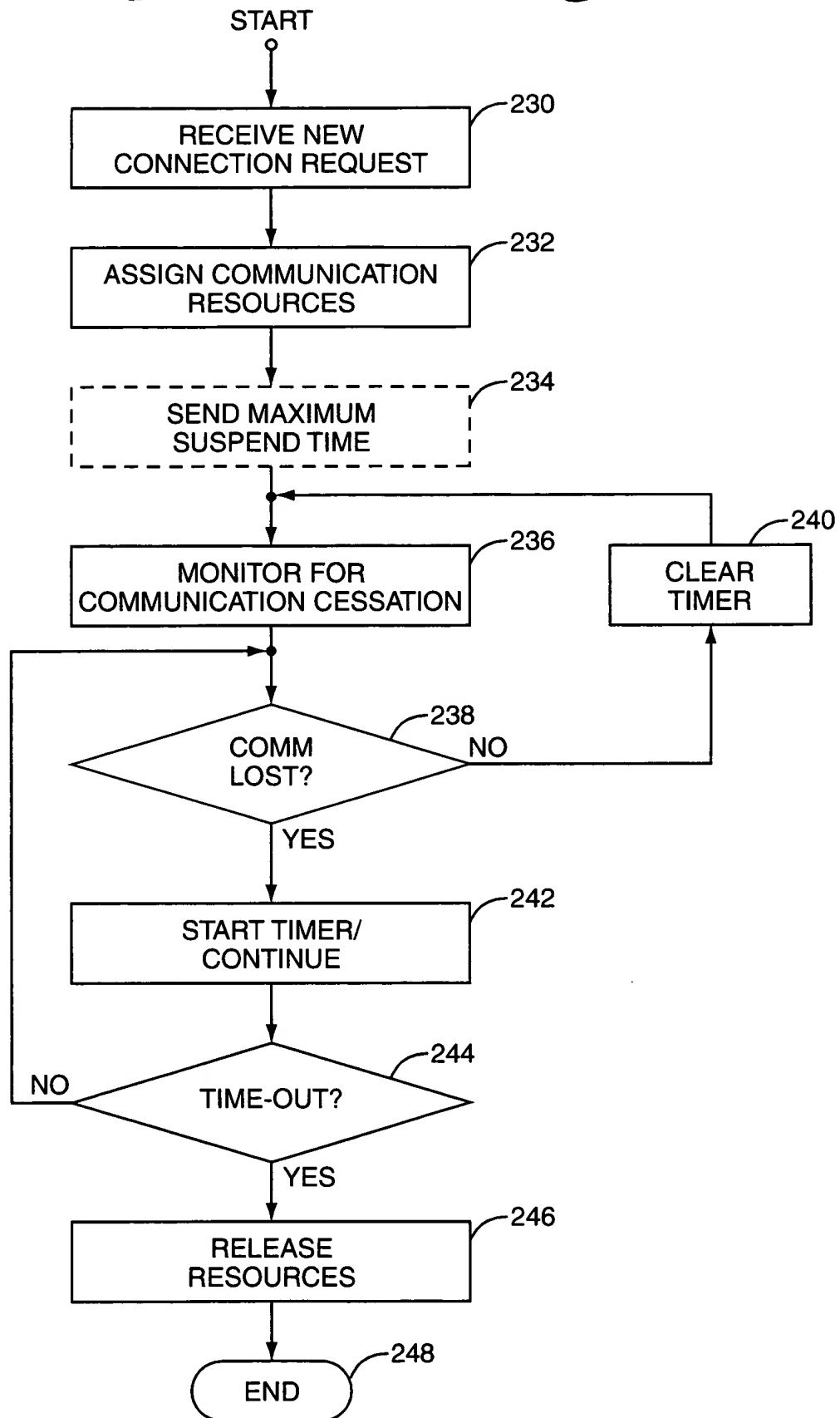


FIG. 4



**FIG. 5**



**FIG. 6**

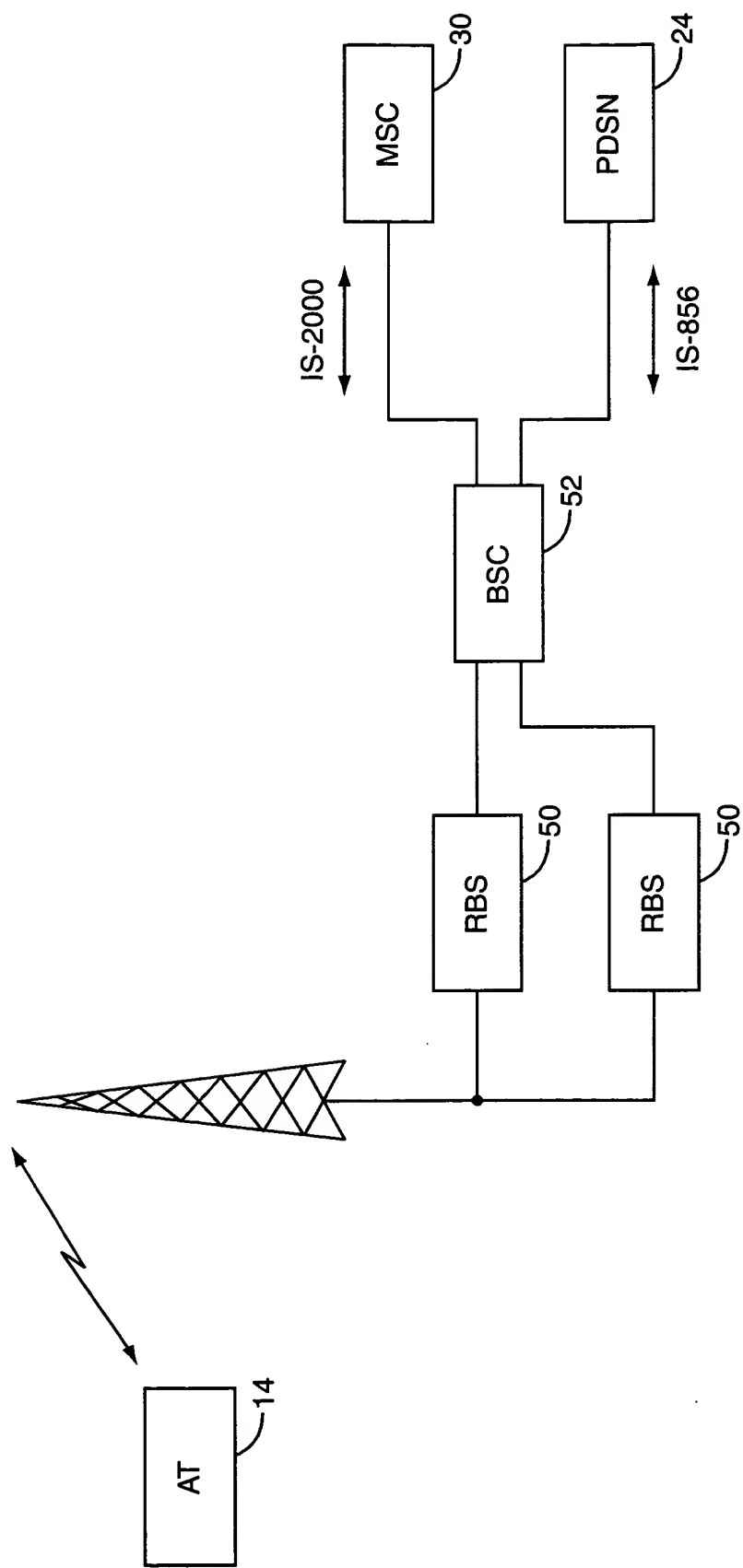


FIG. 7